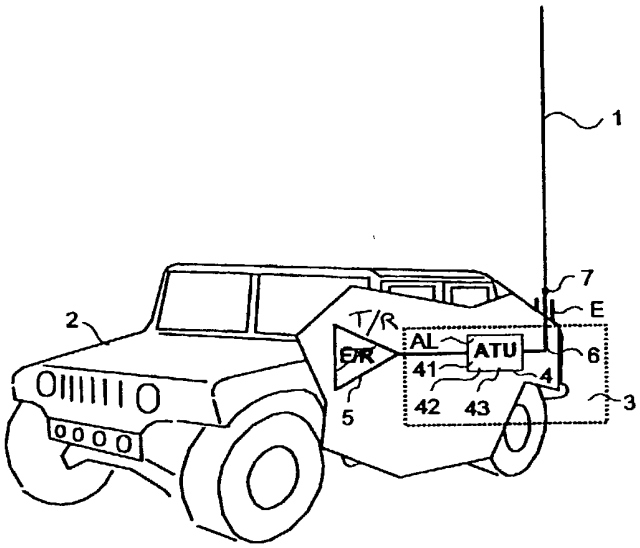


FIG.1

FIG.2

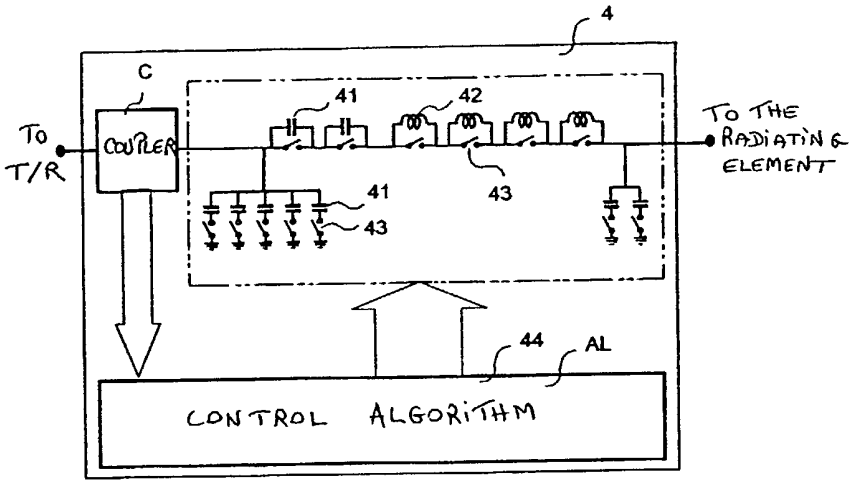
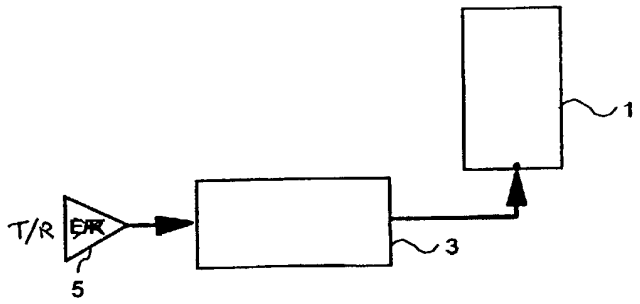
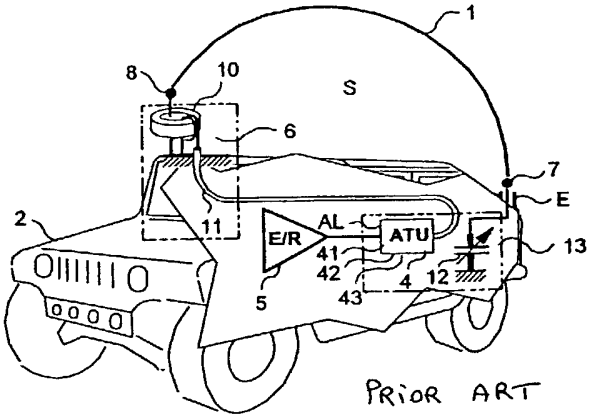

4
C
41
42
To
T/R
COUPLER
To THE
RADIATING
ELEMENT
41
43
43
44
AL
CONTROL ALGORITHM

FIG.3





PRIOR ART

FIG.4

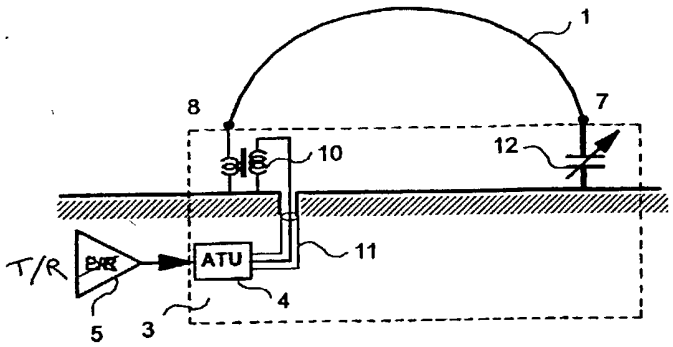
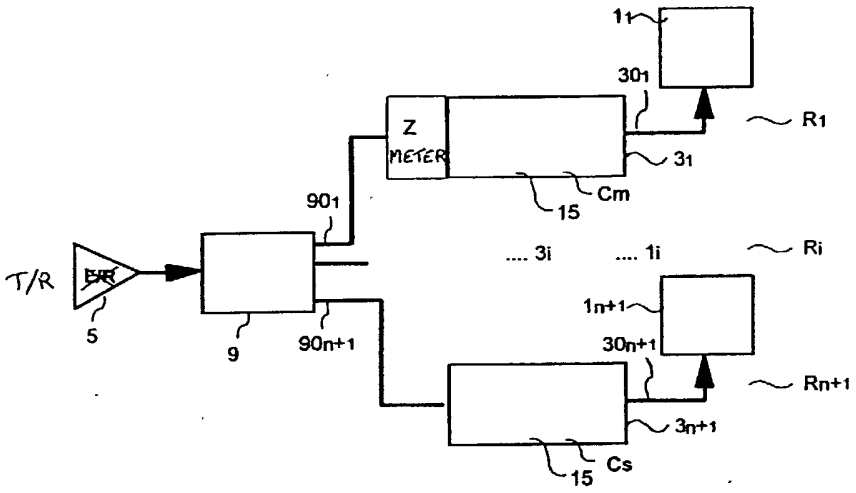


FIG.5

FIG.6


11
301
Z
METER
R1
31
Cm
15
901
.... 3i
.... 1i
Ri
T/R
PA
5
9
90n+1
1n+1
30n+1
Rn+1
3n+1
Cs
15

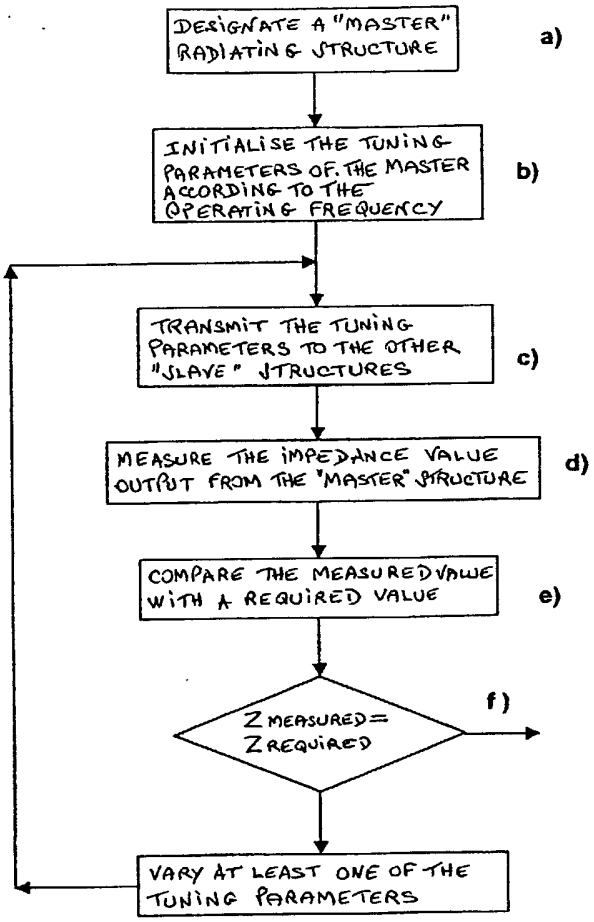
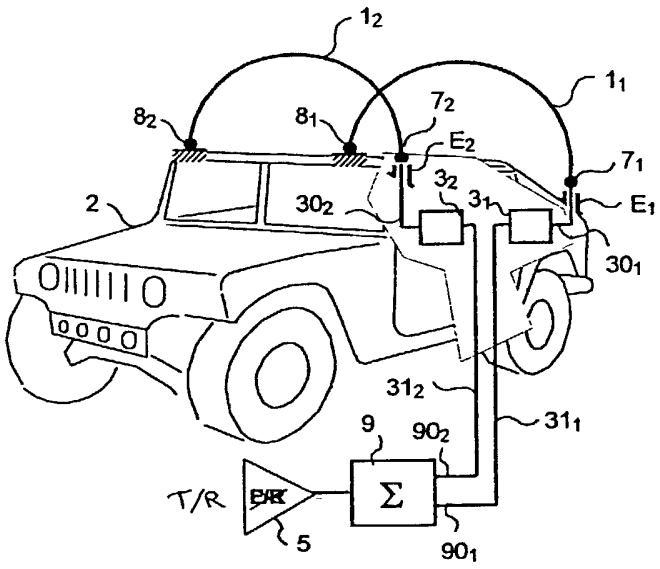

DESIGNATE A "MASTER" RADIATING STRUCTURE
a)
INITIALISE THE TUNING PARAMETERS OF THE MASTER ACCORDING TO THE OPERATING FREQUENCY
b)
TRANSMIT THE TUNING PARAMETERS TO THE OTHER "SLAVE" STRUCTURES
c)
MEASURE THE IMPEDANCE VALUE OUTPUT FROM THE "MASTER" STRUCTURE
d)
COMPARE THE MEASURED VALUE WITH A REQUIRED VALUE
e)
Z MEASURED = Z REQUIRED
f)
VARY AT LEAST ONE OF THE TUNING PARAMETERS

FIG.7

FIG.8



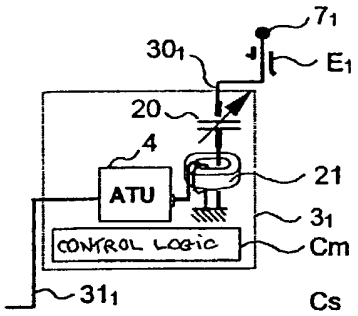
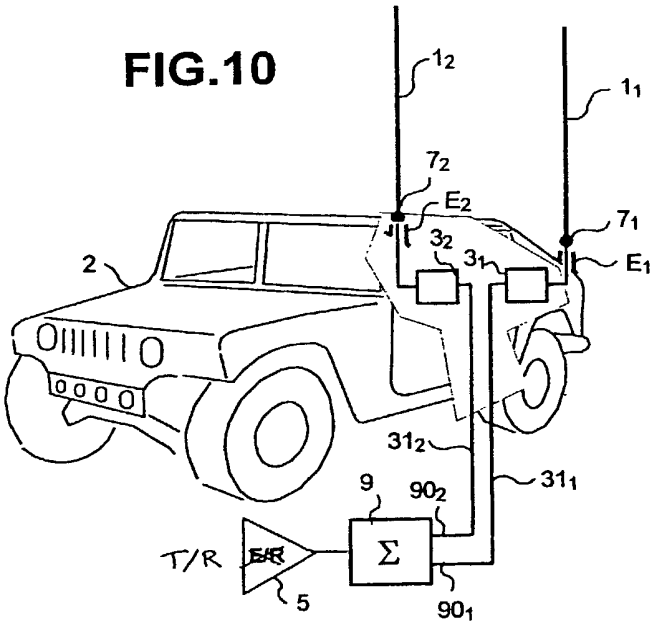


FIG.9

FIG.10



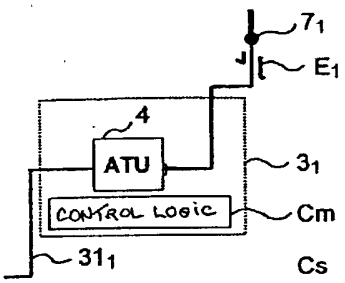


FIG.11

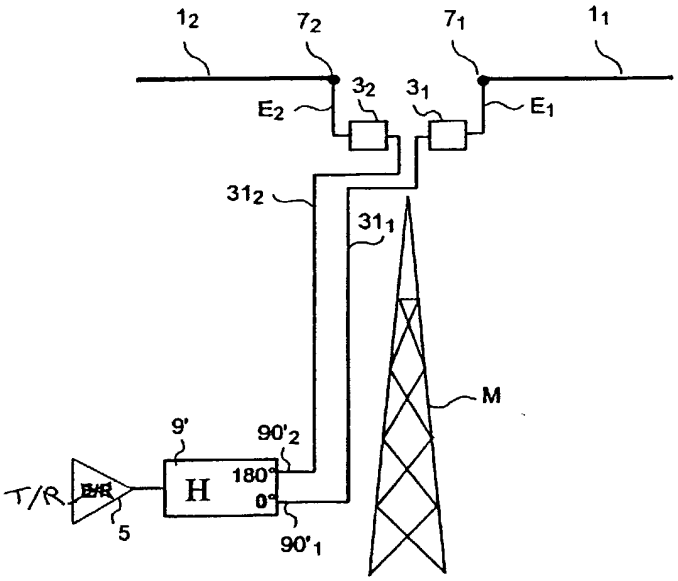


FIG.12